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PATENT SPECIFICATION

616,235



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PROVISIONAL SPECIFICATION.

An improved cleaning device.

We, HENRY JOHN RAYMENT, of 41 Northumberland Avenue, Gidea Park, Essex, and HENRY JOHN PEARMIN, of Devon House, South Street, Rainham, Essex, both British subjects, do hereby declare the nature of this invention to be as follows:—

This invention relates to cleaning devices and has for its object to provide a device which can be used to clean both sides of a window without the cleaner having to go from the inside to the outside of the window, or vice versa.

A device according to the present invention comprises a hollow or U-shaped member in which is slidably mounted a cleaning material holder, means for locking the member and holder together in any desired axial co-relationship, the hollow member being open at one end and adjacent this end being slotted to allow part of the holder to pass therethrough so that the said holder can be locked either in axial prolongation with, or at an angle to, the said member. Preferably the hollow member is in two parts pivotally connected together so that the said member may be extended in length when desired. Preferably also the hollow member is of channel section, whilst the holder may be in strip form slotted throughout the greater portion of its length to allow the locking means which may consist of a clamping screw to pass therethrough. The cleaning material which may be in the form of a duster, wash leather or the like is preferably secured in the holder by means of a spring clip or jaw. If desired, the holder may be formed of a rod bent upon itself in the form of a U, the spring jawed clip being secured across the free ends of the U. The said spring jaws may conveniently consist of two plates to one end of one of which is secured one end of a strong leaf spring, the other end being secured in the neighbourhood of the mid-position of the other plate, which

is carried by the holder, the arrangement being such that the spring normally tends to keep one end of one plate firmly in contact with one end of the other plate.

The U-shaped member which as previously stated is of channel section is slotted adjacent one end, which is left open so that when the holder is slidden within the U-shaped member so that the device is fully extended the holder can pivot and the end thereof remote from the spring clip can protrude through the slot in the U-shaped member thereby allowing the holder to be slidden across the U-shaped member to any desired position in which it can be clamped by the clamping screw, which may have a butterfly nut to co-operate therewith. According to the dimensions of the slot so the angle at which the cleaning material is presented to the window can be varied. The U-shaped member at the end remote from the slotted end may have pivotted thereon another U-shaped member of slightly less length than the first, the two members being formed with co-operating dimples whereby when the second member is moved about its pivot it can come into locked engagement with the first U-shaped member to form a prolongation thereof. When, however, the second member is moved out of locking engagement about its pivot it is so arranged that it can collapse onto the first member thereby forming a portion which closes the open part of the channel or U-shaped member.

It will thus be appreciated that there is obtained a cleaning device the length of which may be varied as desired by the holder being slidden within the U-shaped member which forms the handle by which the device is gripped, and locking the holder in any required position whilst the angle at which the cleaning material can be presented to the window with respect to the handle can be varied by

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full extension of the holder and pivoting about the clamping screw, so that the holder can protrude through the slot in the handle portion.

Dated the 30th day of August, 1946.
CARPMAELS & RANSFORD,
Agents for Applicants,
24, Southampton Buildings,
London, W.C.2.

COMPLETE SPECIFICATION.

An improved cleaning device.

5 We, HENRY JOHN RAYMENT, of 41 Northumberland Avenue, Gidea Park, Essex, and HENRY JOHN PEARLINE, of Devon House, South Street, Rainham, Essex, both British subjects, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

15 This invention relates to cleaning devices and has for its object to provide a device which can be used to clean both sides of a window without the cleaner having to go from the inside to the outside of the window, or vice versa.

A device according to the present invention comprises a hollow or U-shaped member in which is slidably mounted a cleaning material holder, means for locking the member and holder together in any desired axial co-relationship, the hollow member being open at one end and adjacent this end being slotted to allow part of the holder to pass there-
30 through so that the said holder can be locked either in axial prolongation with, or at an angle to, the said member.

Preferably the hollow member is in two parts pivotally connected together so that the said member may be extended in length when desired, the hollow member preferably being of channel section, whilst the holder may be in strip form slotted throughout the greater
40 portion of its length to allow the locking means which may consist of a clamping screw to pass therethrough.

The invention is illustrated in the accompanying drawing in which figure 1 shows the device in elevation in the operative position, figure 2 shows the device in rear elevation in the collapsed position, figures 3 and 4 being detailed sectional views.

50 Referring to the drawing the cleaning device comprises a U- or channel-shaped member formed in two parts 1, 2 hingedly connected together as at 3 so that the channel-shaped member may be extended as shown in figure 1, or folded upon itself as shown in figure 2. The member 2 is preferably formed with dimples 4 which act as a friction lock for the members when in the position shown
60 in figure 1. Slidably mounted within the

member 1 is a holder which comprises a rod bent upon itself in the form of a U 5, the free ends of the U being interconnected by a spring jaw clip secured thereto. This clip consists of two plates 6, 7, and to one end of the plate 6 is secured one end of a strong leaf spring 8, the other end being secured in the neighbourhood of the mid-position of the other plate 7 which is carried by the holder 5, the arrangement being such that the spring normally tends to keep one end of one plate firmly in contact with one end of the other plate. The member 1 is slotted adjacent one end as
75 at 9, the slot being left open so that when the holder 5 is slidden within the member 1 so that the device is fully extended (figure 1), the holder 5 can pivot and the end thereof remote from the spring clip can protrude through the slot 9, thus allowing the holder to be slidden across the member 1 to any desired position in which it can be clamped by a clamping screw 10, 85 which may have a butterfly nut 11 to co-operate therewith. The cleaning material which may be in the form of a duster, wash leather or the like is secured in the device by means of the spring jaws 6, 7. According to the dimensions of the slot 9 so the angle at which the cleaning material is presented to the window can be varied.

It will be appreciated that the member 1 being of channel section, and the member 2 being also of channel section, when the members are pivoted so as to take up the position shown in figure 2, the member 2 collapses onto the member 1, thereby forming the portion which closes the open part of the channel member 1.

It will thus be appreciated that there is obtained a cleaning device the length of which may be varied as desired by the holder 5 being slidden within the member 1 which forms the handle by which the device is gripped, and locking the holder in any required position whilst the angle at which the cleaning material can be presented to the window with respect to the handle can be varied by full extension of the holder and pivoting about the clamping screw 10, 115 so that the holder can protrude through

the slot in the handle portion.

Having now particularly described and ascertained the nature of our said invention and in what manner the same is to be performed, we declare that what we claim is:—

1. A cleaning device comprising a hollow or U-shaped member in which is slidably mounted a cleaning material holder, means for locking the member and holder together in any desired axial co-relationship, the hollow member being open at one end and adjacent this end being slotted to allow part of the holder to pass therethrough so that the said holder can be locked either in axial prolongation with or at an angle to the said member.

2. A device as claimed in claim 1 in which the hollow member is formed in two parts pivotally connected together so that the said member may be extended in length when desired.

3. A device as claimed in claim 1 or 2 in which the holder terminates in a spring clip or jaw for holding in position a cleaning medium.

4. A cleaning device substantially as hereinbefore described with reference to the accompanying drawing.

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Dated this 21st day of July, 1947.

CARPMAELS & RANSFORD,

Agents for Applicants.

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London, W.C.2.

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[This Drawing is a reproduction of the Original on a reduced scale.]

